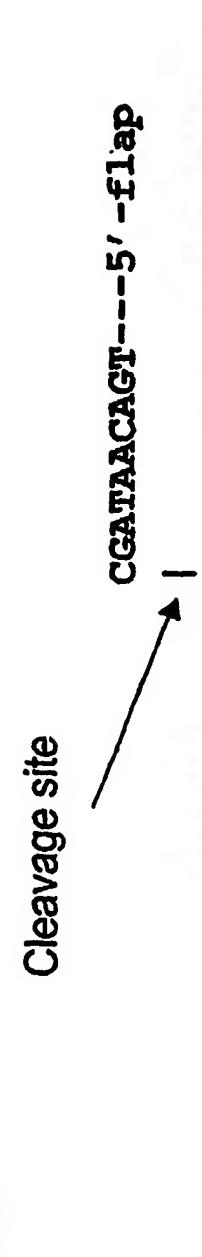


FIG. 4A

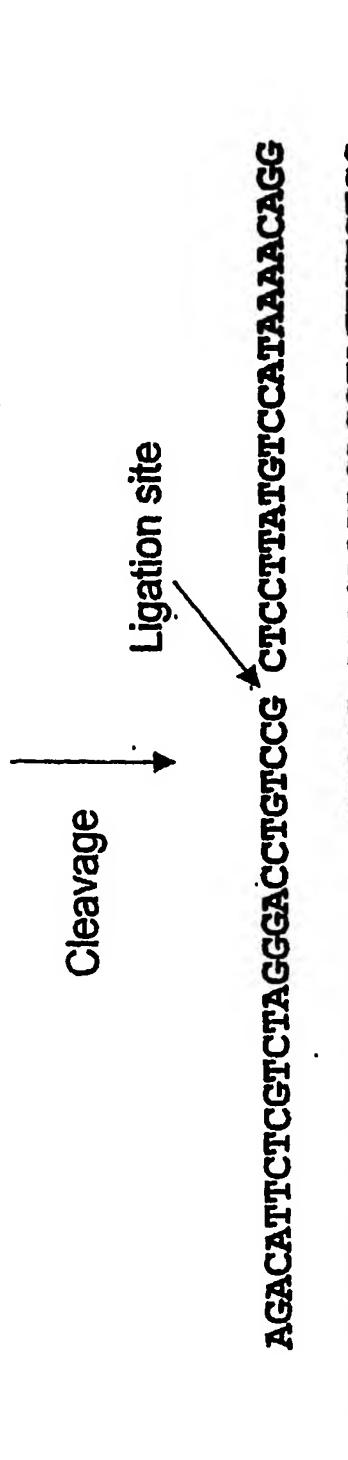
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FIGURE 4B



(Lig probe-AGACATTCTCGTCTAGGGACCTGTCCG CTCCTTATGTCCATAAACA(lig.Probe

sed) 5'-CTAATCTGTAAGAGCAGATCCCTGGACAGGC-GAAGAATACAGGTATTTTGTCC(target



5'-CTAATCTGTAAGAGCAGATCCCTGGACAGGC-GAAGAATACAGGTATTTGTCC



AGACATTCTCGTCTAGGGACCTGTCCG-CTCCTTATGTCCATAAAAGGG

5' - CTAATCTGTAAGAGCAGATCCCTGGACAGGC-GAAGAATACAGGTATTTGTCC

FIGURE 4C

Cleavage site

Incorrect hybridization:

5'-flap TGATAACAGT

(Lig probe-AGACATTCTCGTCTAGGGACCTGTCCG TTCCTTATGTCCATAAAAA(1ig.Probe)

sed 5'-CTAATCTGTAAGAGCAGATCCCTGGACAGGC-GAAGAATACAGGTATTTTGTCC(target

Weak cleavage

Ligation site

AGACATTCTCGTCTAGGGACCTGTCCG TTCCTTATGTCCATAAAAGGG-5'

5'-CTAATCTGTAAGAGCAGATCCCTGGACAGGC-GAAGAATACAGGTATTTTGTCC

Ligation fails

AGACATTCTCGTCTAGGGACCTGTCCG TTCCTTATGTCCATAAAACAGG

AGGC-GAAGAATACAGGTATTTTGTCC 5'-CTAATCTGTAAGAGCAGATCCCTGGAC

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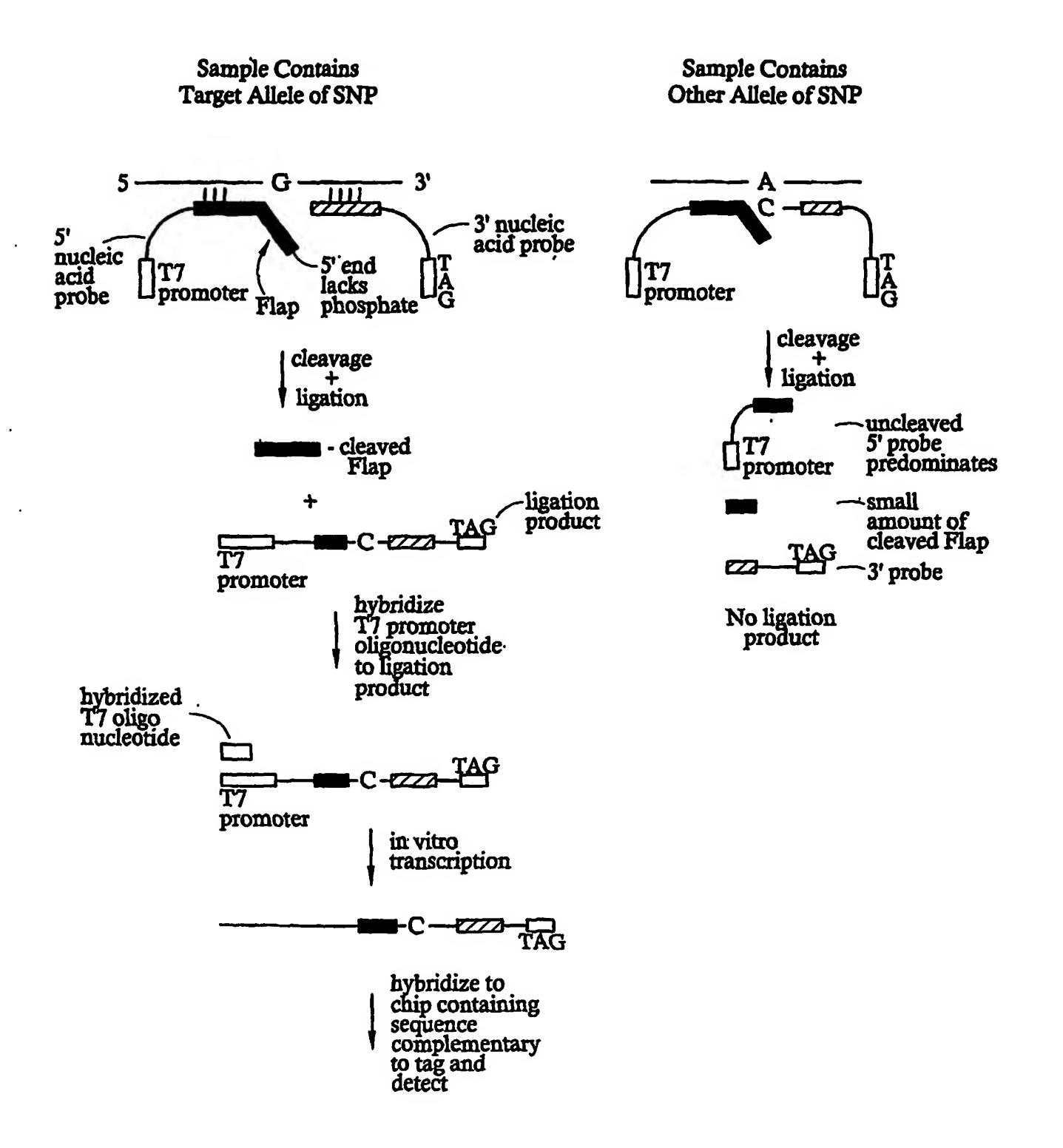
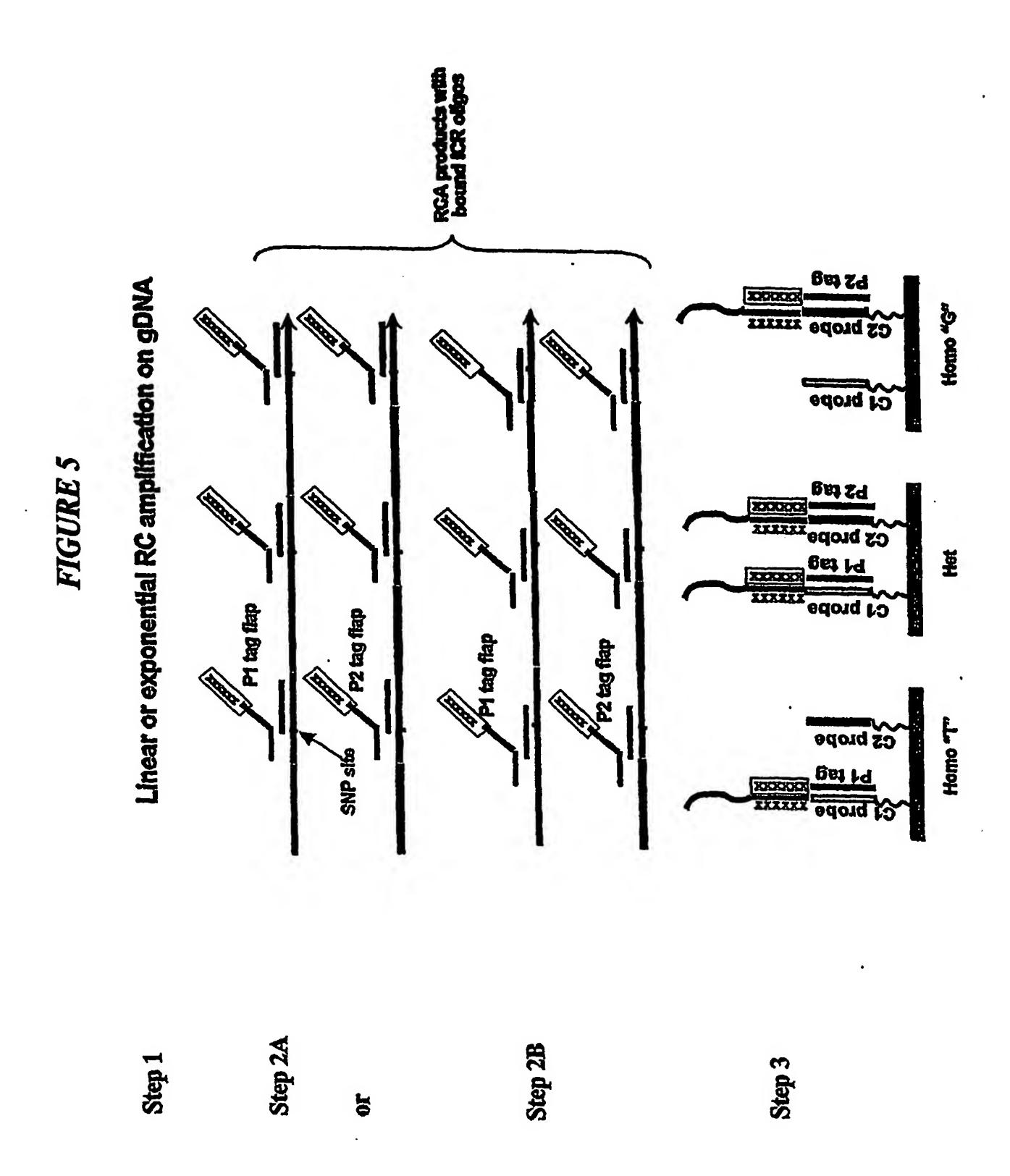
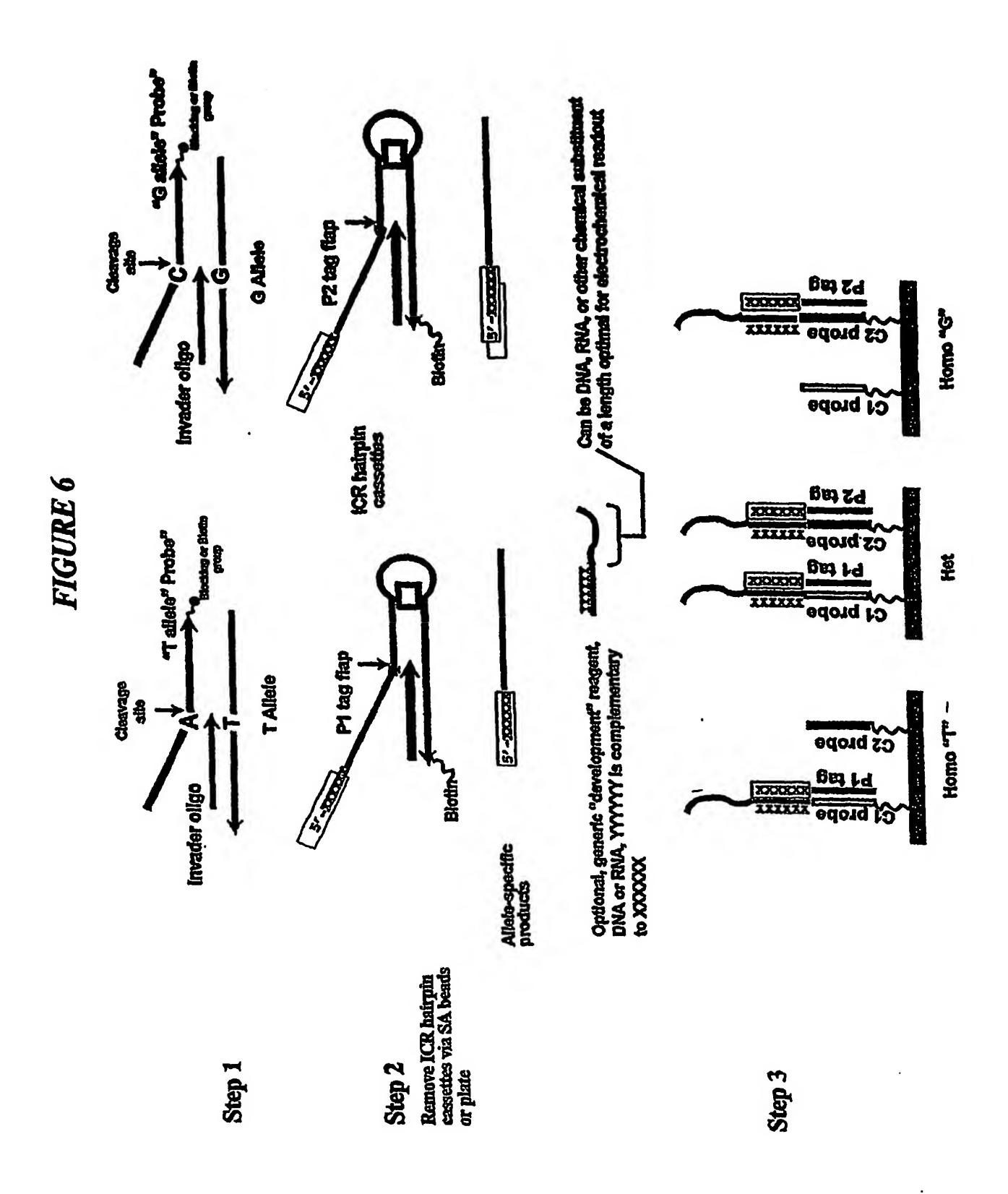


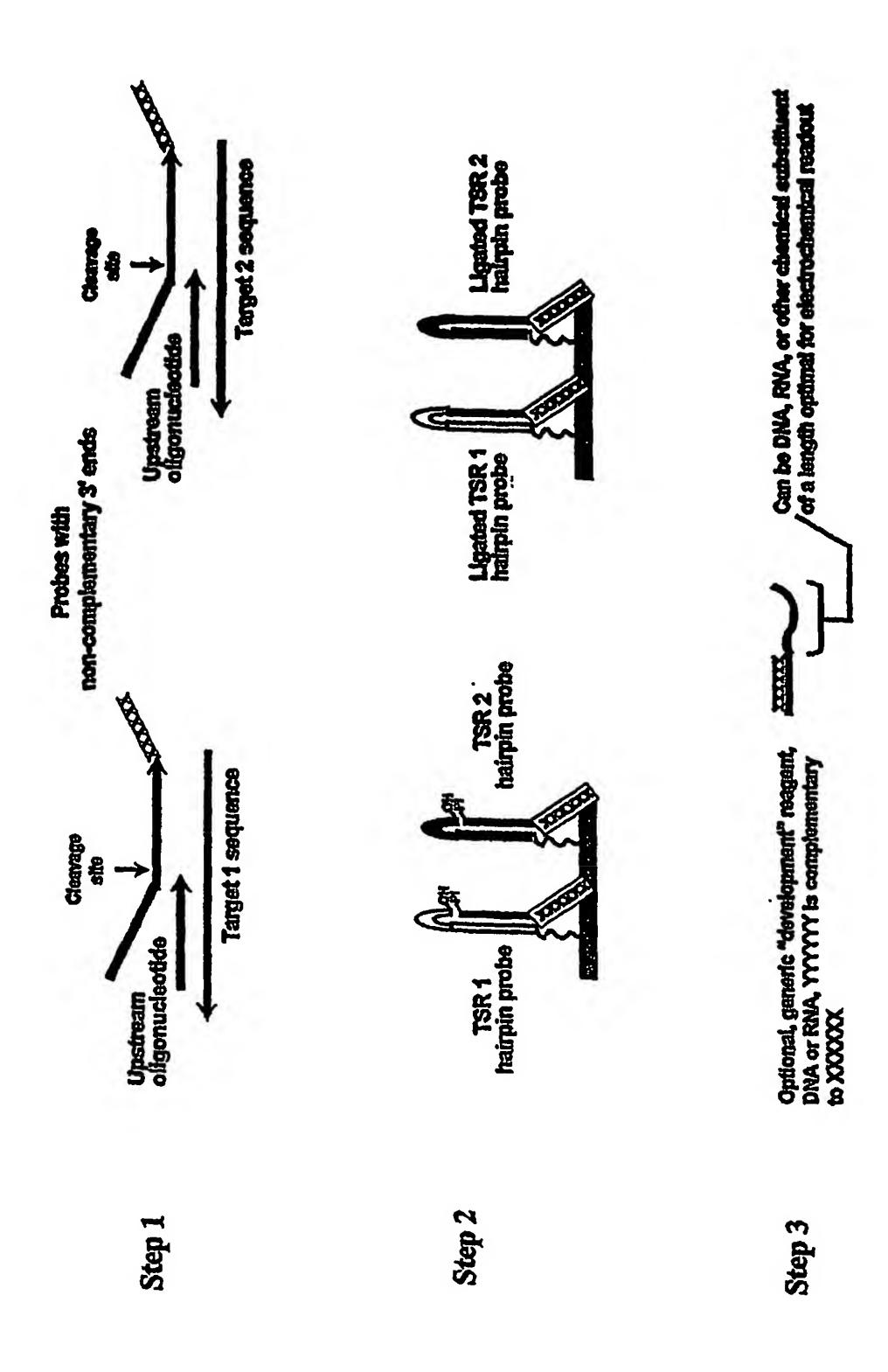
FIG. 4D



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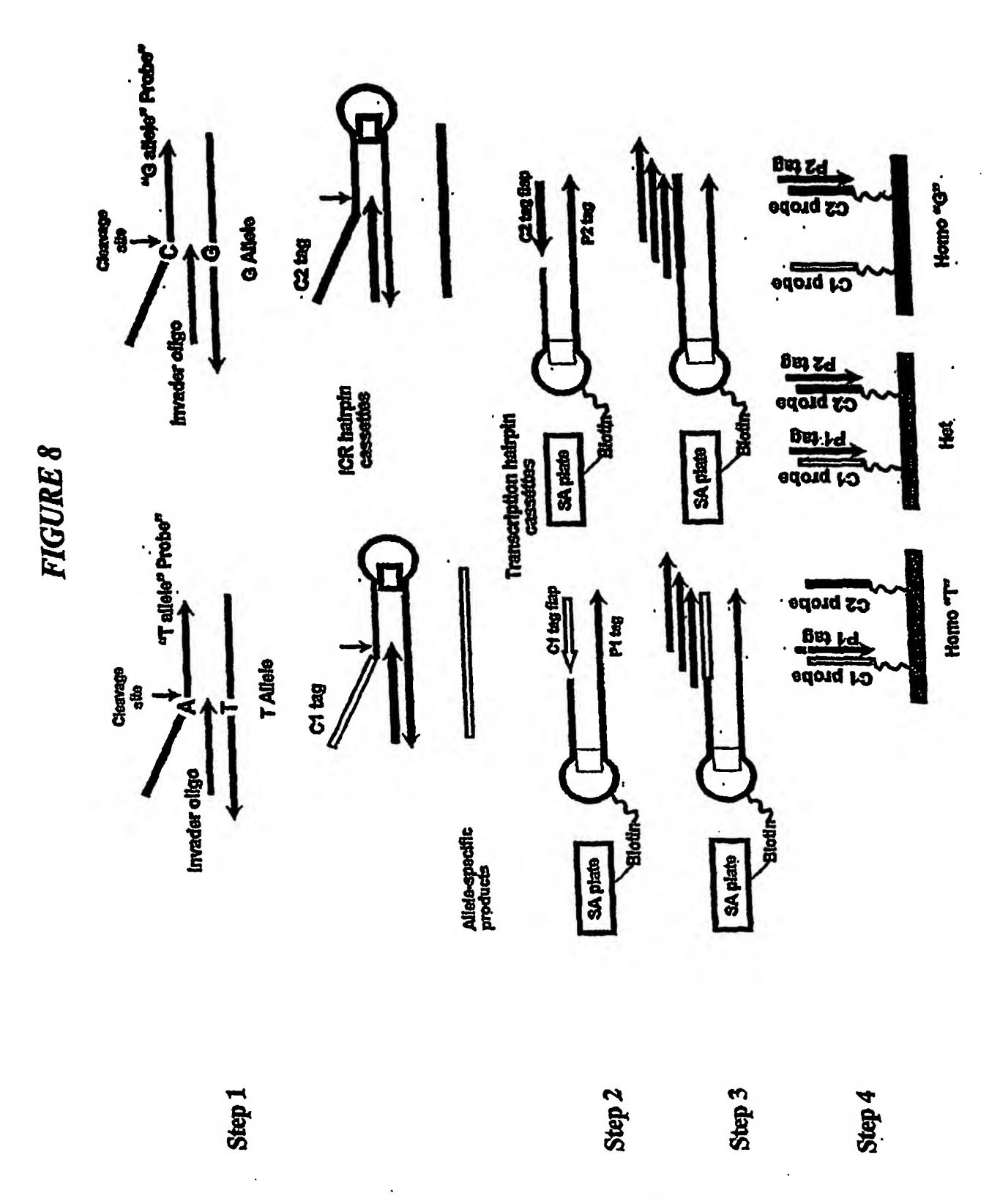






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